


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International Specialists in the Environment

M E M O R A N D U M

DATE: June 3, 1986
TO: File
FROM: David Curnock 
SUBJECT: Illinois/R05-8410-01/IL0321
Morris/AP Green REfractories
ILD049136658

On May 14, 1986, the author visited the Illinois State Water Survey Office in Batavia, Illinois to review well logs within a three mile radius of the A.P. Green refractories site near Morris, Illinois.

The following lists and summaries provide the available information by Township, Range and Section for the logs. Representative well logs of these sections were copied and are part of Ecology and Environment/FIT files.

T33N, R8E

<u>Section</u>	<u>Total</u>	
1	18	
2	0	
3	0	
4	1	
5	0	
8	0	Coal exploration logs only
9	1	
10	0	Coal exploration logs only

EPA Region 5 Records Ctr.



327896

T33N, R8E (Continued)

<u>Section</u>	<u>Total</u>	
11	2	
12	5	
13	2	
14	3	
15	26	plus coal exploration logs
16	70	plus coal exploration logs
17	1	plus coal exploration logs
20	2	plus coal exploration logs
21	10	
22	10	
23	0	coal exploration logs only
24	0	coal exploration logs only
25	0	coal exploration logs only
26	0	coal exploration logs only
27	3	

All wells utilize the limestone bedrock aquifer. A few wells (12) in sections 15, 16, and 22 are furnished in the St. Peter's sandstone but are open to the overlying limestone. Much of the area has been stripped for coal. The site is located in section 11.

T33N, R9E

<u>Section</u>	<u>Total</u>	
5	2	
6	29	
7	6	
8	11	
17	1	
18	0	
19	0	coal exploration logs only

All wells draw from limestone aquifer.

T34N, R8E

<u>Section</u>	<u>Total</u>	
25	0	Dresden Nuclear Plant boring logs only
26	0	Dresden Nuclear Plant boring logs only
27	0	
28	2	(Industrial)
32	0	
33	0	
34	0	
35	3	plus Dresden Nuclear Plant boring logs
36	19	

All private residential wells utilize the limestone aquifer or a deeper aquifer. The industrial wells utilize the deeper aquifers exclusively. Dresden Nuclear Power Station had extensive geologic studies performed before construction.

T34N R9E

<u>Section</u>	<u>Total</u>
30	2
31	6
32	0

One well in section 31 uses the sand and gravel aquifer above the limestone bedrock. Two other wells in this section are finished deeper into the St. Peter's sandstone but are open to the limestone above. All other wells drawn from the limestone aquifer.

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